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<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 6283.NCP2	Serial No.: 10/044,219
	Applicant(s): Stockman et al.	Confirmation No.: 9179
	Filing Date: November 19, 2001	Group: 1627

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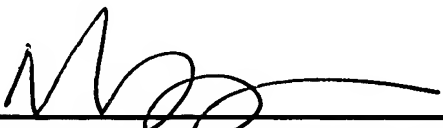
## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
MB	4,719,582	01/12/88	Ishida et al.			
	5,270,163	12/14/93	Gold et al.			
	5,306,619	04/26/94	Edwards et al.			
	5,668,734	09/16/97	Krishna et al.			
	5,698,401	12/16/97	Fesik et al.			
	5,804,390	09/08/98	Fesik et al.			
	5,837,460	11/17/98	Von Feldt et al.			
	5,856,496	01/05/99	Fagnola et al.			
	5,891,643	04/06/99	Fesik et al.			
	5,989,827	11/23/99	Fesik et al.			
	6,043,024	03/28/00	Fesik et al.			
MB	6,214,561	04/10/01	Peters et al.			

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
MB	DE 196 49 359 C1	02/12/98	Germany (with English language abstract)				X
	EP 0 592,816 A1, B1	04/20/94	EPO (with English language abstract)				X
	2 316 941 A	03/11/98	GB				
	2 321 104 A	07/15/98	GB				
	WO 91/10140	07/11/91	WIPO				
	WO 91/17428	11/14/91	WIPO				
MB	WO 93/00446	01/07/93	WIPO				

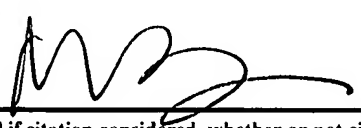
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NB	WO 96/14980	07/07/94	WIPO	TECH CENTER 1600/2900	RECEIVED JUL 16 2002
	WO 96/30849	10/03/96	WIPO		
	WO 97/00244	01/03/97	WIPO		
	WO 97/18469	05/22/97	WIPO		
	WO 97/18471	05/22/97	WIPO		
	WO 98/46548	10/22/98	WIPO		
	WO 98/48264	10/29/98	WIPO		
	WO 98/57155	12/17/98	WIPO		
	WO 99/09024	02/25/99	WIPO		
	WO 99/17616	04/15/99	WIPO		
NB	WO 99/36422	07/22/99	WIPO		
	WO 99/43643	09/02/99	WIPO		

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

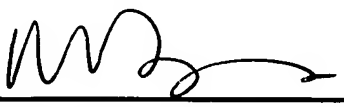
Examiner Initial	Document Description
NB	Ajay et al., "Can We Learn To Distinguish between "Drug-like" and "Nondrug-like" Molecules?", <i>J. Med. Chem.</i> , 41:3314-3324 (1998).
	Anderson et al., "Affinity NMR: Decoding DNA Binding," <i>Journal of Combinatorial Chemistry</i> , 1(1):69-72 (1999).
	Balaram et al., "Localization of Tyrosine at the Binding Site of Neurophysin II by Negative Nuclear Overhauser Effects", <i>Journal of the American Chemical Society</i> , 94:11:4017-4018 (1972).
	Barjat et al., "High-Resolution Diffusion-Ordered 2D Spectroscopy (HR-DOSY) - A New Tool for the Analysis of Complex Mixtures," <i>Journal of Magnetic Resonance, Series B</i> , 108:170-172 (1995).
NB	Bax et al., "Sensitivity-Enhanced Two-Dimensional Heteronuclear Shift Correlation NMR Spectroscopy," <i>Journal of Magnetic Resonance</i> , 67:565-569 (1986).

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NB	Belton et al., "Application of chemometrics to the <sup>1</sup> H NMR spectra of apple juices: discrimination between apple varieties," <i>Food Chemistry</i> , 61:207-213 (1998).
	Bemis et al., "The Properties of Known Drugs. 1. Molecular Frameworks," <i>Med. Chem.</i> , 39:2887-2893 (1996).
	Bemis et al., "Properties of Known Drugs. 2. Side Chains," <i>J. Med. Chem.</i> , 42:5095-5099 (1999).
	BLAST 2 Sequences. [online] National Center for Biotechnology Information, National Institutes of Health, United States, [retrieved 2001-08-29]. Retrieved from the Internet: <URL:http://www.ncbi.nlm.nih.gov/gorf/bl2.html>, 1 page.
	Bleicher et al., "Diffusion Edited NMR: Screening Compound Mixtures by Affinity NMR to Detect Binding Ligands to Vancomycin," <i>Journal of Organic Chemistry</i> , 63(23):8486-8490 (1998).
	Boguslavsky, "NMR Finds Elusive Protein-Binding Molecules," <i>Drug Discovery &amp; Development</i> , 56-60 (1999).
	Bothner-By et al., "Binding of Small Molecules to Proteins," <i>Ann. NY Acad. Sci.</i> , 222:668-675 (1973).
	Bruker <a href="http://www.bruker.de/analytic/nmr-dep/best/best.htm">http://www.bruker.de/analytic/nmr-dep/best/best.htm</a>
	Bussiere et al., "Structure of the E2 DNA-Binding Domain form Human Papillomavirus Serotype 31 at 2.4 Å," <i>Acta Crystallographica</i> , D54 (Part 6, No. 2):1367-1376 (1998).
	Chen et al., "NOE Pumping: A Novel NMR Technique for Identification of Compounds with Binding Affinity to Macromolecules," <i>Journal of the American Chemical Society</i> , 120(39):10258-10259 (1998).
	Chen et al., "NOE Pumping. 2. A High-Throughput Method To Determine Compounds with Binding Affinity to Macromolecules by NMR," <i>J. Am. Chem. Soc.</i> , 122:414-415 (2000).
	Chiyoda et al., "Screening System for Urease Inhibitors Using <sup>13</sup> C-NMR," <i>Chemical &amp; Pharmaceutical Bulletin</i> , 46(4):718-720 (1998).
	NB

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MB	Dalvit et al., "Identification of compounds with binding affinity to proteins via magnetization transfer from bulk water," <i>Journal of Biomolecular NMR</i> 18:65-68 (2000).
	Delaglio, "Adaptive Analysis and Multivariate Methods for Applications," <i>NMR Technologies: Development and Applications for Drug Discovery</i> , Sheraton Inner Harbor Hotel, Baltimore, MD (November 4-5, 1999).
	Detlefsen et al., "Molecular Flexibility Profiling Using NMR Spectroscopy," <i>Current Medicinal Chemistry</i> , 6(5):353-358 (1999).
	Fairbanks et al., "Purification and structural characterization of the CD11b/CD18 integrin $\alpha$ subunit I domain reveals a folded conformation in solution," <i>FEBS Letters</i> , 369(2-3):197-201 (1995).
	Farley et al., "SMASH: Small Molecule NMR Conference," Presentation Materials for SMASH '99, Argonne, IL (August 15-18, 1999).
	Farmer II et al., "Localizing the NADP <sup>+</sup> binding site on the MurB enzyme by NMR," <i>Nature Structural Biology</i> , 3(12):995-997 (1996).
	Fecik et al., "The Search for Orally Active Medications Through Combinatorial Chemistry," <i>Medicinal Research Reviews</i> , 18:149-185 (1998).
	Fejzo et al., "The SHAPES Strategy: An NMR Based Approach for Lead Generation in Drug Discovery," Abstract MIIA-4, <i>Proceedings of the 18<sup>th</sup> International Conference on Magnetic Resonance in Biological Systems</i> , Tokyo Metropolitan University, Tokyo, Japan, 3 pages (August 23-28, 1998).
	Fejzo et al., "The SHAPES strategy: an NMR-based approach for lead generation in drug discovery," <i>Chemistry &amp; Biology</i> , 6:755-769 (1999).
	Fesik, "NMR structure-based drug design," <i>Journal of Biomolecular NMR</i> , 3(3):261-269 (1993).
	Freeman et al., "Proton-detected <sup>15</sup> N NMR spectroscopy and imaging," EPO abstract, XP 002029543, from <i>Journal of Magnetic Resonance, Series B</i> , 102(2):183-192, 1 page (1993).
MB	Freeman et al., "Proton-Detected <sup>15</sup> N NMR Spectroscopy and Imaging," <i>Journal of Magnetic Resonance, Series B</i> , 102(2):183-192 (1993).

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Examiner Initial	Document Description
MZ	Ghose et al., "A Knowledge-Based Approach in Designing Combinatorial or Medicinal Chemistry Libraries for Drug Discovery. 1. A Qualitative and Quantitative Characterization of Known Drug Databases," <i>J. Comb. Chem.</i> , 1: 55-68 (1999).
	Gonnella et al., "Isotope-Filtered Affinity NMR," <i>Journal of Magnetic Resonance</i> , 131:336-338 (1998).
	Gounarides et al., "Nuclear magnetic resonance chromatography: applications of pulse field gradient diffusion NMR to mixture analysis and ligand-receptor interactions," <i>Journal of Chromatography B</i> , 725(1):79-90 (1999).
	Grzesiek et al., "The Importance of Not Saturating H <sub>2</sub> O in Protein NMR. Application to Sensitivity Enhancement and NOE Measurements," <i>Journal of the American Chemical Society</i> , 115(26):12593-12594 (1993).
	Hajduk et al., "High-Throughput Nuclear Magnetic Resonance-Based Screening," <i>J. Med. Chem.</i> , 42:2315-2317 (1999).
	Hajduk et al., "One Dimensional Relaxation- and Diffusion-Edited NMR Methods for Screening Compounds That Bind to Macromolecules," <i>J. Am. Chem. Soc.</i> , 119:12257-12261 (1997).
	Hajduk et al., "NMR-based discovery of lead inhibitors that block DNA binding of the human papillomavirus E2 protein," <i>J. Med. Chem.</i> 40(20):3144-50 (1997).
	Hegde et al., "Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target," <i>Nature</i> , 359(6395):505-512 (1992).
	Hegde et al., "Crystal Structure of the E2 DNA-binding Domain from Human Papillomavirus Type 16: Implications for its DNA Binding-site Selection Mechanism," <i>Journal of Molecular Biology</i> , 284(5):1479-1489 (1998).
	Henrichsen et al., "Bioaffinity NMR spectroscopy: identification of an E-selectin antagonist in a substance mixture by transfer NOE," <i>Angewandte Chemie, International Edition</i> , 38(1/2):98-102 (1999).
	Holmes et al., "Development of a model for classification of toxin-induced lesions using <sup>1</sup> H NMR spectroscopy of urine combined with pattern recognition," <i>NMR in Biomedicine</i> , 11:235-244 (1998).
MZ	Kasukawa et al., "A Fifteen-Amino-Acid Peptide Inhibits Human Papillomavirus E1-E2 Interaction and Human Papillomavirus DNA Replication In Vitro," <i>Journal of Virology</i> , 72(10):8166-8173 (1998).

<b>EXAMINER</b> MZ	<b>Date Considered</b> 6/18/03
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Group: 1627

Examiner Initial	Document Description
MB	Keifer, "High-resolution NMR techniques for solid-phase synthesis and combinatorial chemistry," <i>Drug Discovery Today</i> , 2:468-478 (1997).
	Keifer, "NMR tools for biotechnology," <i>Current Opinion in Biotechnology</i> , 10:34-41 (1999).
	Keifer et al., "Direct-Injection NMR (DI-NMR): A Flow NMR Technique for the Analysis of Combinatorial Chemistry Libraries <sup>1</sup> ," <i>J. Comb. Chem.</i> , 2:151-171 (2000).
	Keifer, "New methods for obtaining high-resolution NMR spectra of solid-phase synthesis resins, natural products, and solution-state combinatorial chemistry libraries," <i>Drugs of the Future</i> , 23:301-317 (1998).
	Kulkov et al., "Searching NMR Databases and Predicting NMR Spectra Over the Web," Abstract 71, <i>Abstracts of Papers, Part 1, 218<sup>th</sup> ACS National Meeting</i> , American Chemical Society, New Orleans, LA, (August 22-26, 1999).
	Lennon et al., "Hemoglobin Affinity for 2,3-Bisphosphoglycerate in Solutions and Intact Erythrocytes: Studies Using Pulsed-Field Gradient Nuclear Magnetic Resonance and Monte Carlo Simulations," <i>Biophysical Journal</i> , 67:2096-2109 (1994).
	Liang et al., "Solution Structure of the DNA-Binding Domain of a Human Papillomavirus E2 Protein: Evidence for Flexible DNA-Binding Regions," <i>Biochemistry</i> , 35(7):2095-2103 (1996).
	Liepinsh et al., "Organic solvents identify specific ligand binding sites on protein surfaces," <i>Nature Biotechnology</i> , 15(3):264-268 (1997).
	Lin et al., "Diffusion-Edited NMR-Affinity NMR for Direct Observation of Molecular Interactions," <i>J. Am. Chem. Soc.</i> , 119:5249-5250 (1997).
	Lin et al., "Screening Mixtures by Affinity NMR," <i>J. Org. Chem.</i> , 62:8930-8931 (1997).
	Lindon et al., "Direct coupling of chromatographic separations to NMR spectroscopy," <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 29:1-49 (1996).
MB	Lindon et al., "Directly Coupled HPLC-NMR and Its Application to Drug Metabolism," <i>Drug Metabolism Reviews</i> , 29:705-746 (1997).

EXAMINER

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Examiner  
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## Document Description

Lipinski et al., "Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings," *Advanced Drug Delivery Reviews*, 23:3-25 (1997).

Liu et al., "High-Resolution Diffusion and Relaxation Edited One- and Two-Dimensional <sup>1</sup>H NMR Spectroscopy of Biological Fluids," *Analytical Chemistry*, 68(19):3370-3376 (1996).

Martin et al., "Beyond Mere Diversity: Tailoring Combinatorial Libraries for Drug Discovery," *J. Comb. Chem.*, 1:32-45 (1999).

Mazel et al., "Genetic characterization of polypeptide deformylase, a distinctive enzyme of eubacterial translation," *The EMBO Journal*, 13:914-923 (1994).

McBride et al., "The Papillomavirus E2 Regulatory Proteins," *The Journal of Biological Chemistry*, 266(28):18411-18414 (1991).

Meyer et al., "Screening mixtures for biological activity by NMR," *Eur. J. Biochem.*, 246:705-709 (1997).

Moore, "NMR screening in drug discovery," *Current Opinion in Biotechnology*, 10(1):54-58 (1999).

Moore, "NMR Techniques for Characterization of Ligand Binding: Utility for Lead Generation and Optimization in Drug Discovery," *Biopolymer (Peptide Science)*, 51:221-243 (1999).

Morris et al., "Diffusion-Ordered Two-Dimensional Nuclear Magnetic Resonance Spectroscopy," *Journal of the American Chemical Society*, 114(8):3139-3141 (1992).

Morris et al., "Resolution of Discrete and Continuous Molecular Size Distributions by Means of Diffusion-Ordered 2D NMR Spectroscopy," *Journal of the American Chemical Society*, 115(10):4291-4299 (1993).

Neri et al., "<sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N backbone assignments of cyclophilin when bound to cyclosporin A (CsA) and preliminary structural characterization of the CsA binding site," *FEBS Letters*, 294(1,2):81-88 (1991).

Nicholson et al., "'Metabonomics': understanding the metabolic responses of living systems to pathophysiological stimuli via multivariate statistical analysis of biological NMR spectroscopic data," *Xenobiotica*, 29:1181-1189 (1999).

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JUL 16 2002

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Date Considered

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Examiner Initial	Document Description
MB	Pearlman et al., "Novel Software Tools for Chemical Diversity," <i>Perspectives in Drug Discovery and Design</i> , 09/10/11:339-353 (1998).
	Phelps et al., "Molecular targets for human papillomaviruses: prospects for antiviral therapy," <i>Antiviral Chemistry &amp; Chemotherapy</i> , 9(5):359-377 (1998).
	Piotto et al., "Gradient-tailored excitation for single-quantum NMR spectroscopy of aqueous solutions," <i>Journal of Biomolecular NMR</i> , 2(6):661-665 (1992).
	Ponstingl et al., "Detection of protein-ligand NOEs with small, weakly binding ligands by combined relaxation and diffusion filtering," <i>Journal of Biomolecular NMR</i> , 9:441-444 (1997).
	Rabenstein et al., "A Pulse Sequence for the Measurement of Spin-Lattice Relaxation Times of Small Molecules in Protein Solutions," <i>Journal of Magnetic Resonance</i> , 34:669-674 (1979).
	Ross et al., "Fast-HMQC using Ernst angle pulses: An efficient tool for screening of ligand binding to target proteins," <i>Journal of Biomolecular NMR</i> , 10:389-396 (1997).
	Ross et al., "Automation of NMR measurements and data evaluation for systematically screening interactions of small molecules with target proteins," <i>Journal of Biomolecular NMR</i> , 16:139-146 (2000).
	Sadowski et al., "A Scoring Scheme for Discriminating between Drugs and Nondrugs," <i>J. Med. Chem.</i> , 41:3325-3329 (1998).
	Scherf et al., "A T <sub>1ρ</sub> -filtered two-dimensional transferred NOE spectrum for studying antibody interactions with peptide antigens," <i>Biophysical Journal</i> , 64:754-761 (1993).
	Shapiro et al., "High resolution NMR for screening ligand/protein binding," <i>Current Opinion in Drug Discovery &amp; Development</i> , 2:396-400 (1999).
	Shuker, "Discovering High-Affinity Ligands for Proteins: SAR by NMR," <i>Science</i> , 274:1531-1534 (1996).
MB	Spraul et al., "High-Throughput Flow-Injection NMR and its Applications," <i>Bruker Report</i> , Bruker Analytik GmbH, Rheinstetten, Germany, (August/September 1999).

EXAMINER 	Date Considered 9/6/03
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MB	Spraul et al., "Flow Injection Proton Nuclear Magnetic Resonance Spectroscopy Combined With Pattern Recognition Methods: Implications for Rapid Structural Studies and High Throughput Biochemical Screening," <i>Analytical Communications</i> , 34:339-341 (1997).
	Stilbs, "Molecular Self-Diffusion Coefficients in Fourier Transform Nuclear Magnetic Resonance Spectrometric Analysis of Complex Mixtures," <i>Analytical Chemistry</i> , 53(13):2135-2137 (1981).
	Stockman, "NMR spectroscopy as a tool for structure-based drug design," <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 33:109-151 (1998).
	Stockman, "Flow NMR spectroscopy in drug discovery," <i>Current Opinion in Drug Discovery &amp; Development</i> , 3:269-274 (2000).
	Stockman et al., " <sup>1</sup> H and <sup>15</sup> N resonance assignments and solution secondary structure of oxidized <i>Desulfovibrio vulgaris</i> flavodoxin determined by heteronuclear three-dimensional NMR spectroscopy," <i>J. Biomol. NMR</i> , 3:133-149 (1993).
	Stockman, "Applications of flow NMR spectroscopy to monitor binding of small molecules to proteins," Innovative Computational Applications: The Interface of Library Design, Bioinformatics, Structure Based Drug Design and Virtual Screening, Biotechnology Division, Institute for International Research, San Francisco, CA, Oct. 25-27, 1999.
	Stockman, "Applications of flow NMR spectroscopy to monitor binding of small molecules to proteins," NMR Technologies: Development and Applications for Drug Discovery, Cambridge Healthtech Institute's Second International, Baltimore, MD, Nov. 4-5, 1999.
	Stockman, "Applications of flow NMR spectroscopy to monitor binding of small molecules to proteins," NMR in the drug discovery pipeline, IBC, London, UK, May 8-9, 2000.
	Stockman et al., "Screening of compound libraries for protein binding using flow-injection nuclear magnetic resonance spectroscopy," <i>Methods Enzymol.</i> 2001;338:230-46.
MB	Tatusova et al., "BLAST 2 Sequences, a new tool for comparing protein and nucleotide sequences," <i>FEMS Microbiology Letters</i> , 174(2):247-250 (1999).

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MB	Teague et al., "The Design of Leadlike Combinatorial Libraries," <i>Angew. Chem. Int. Ed.</i> , 38:3743-3748 (1999).
	Veeraraghavan et al., " <sup>1</sup> H, <sup>15</sup> N, and <sup>13</sup> C NMR resonance assignments for the DNA-binding domain of the BPV-1 E2 protein," <i>Journal of Biomolecular NMR</i> , 11(4):457-458 (1998).
	Veeraraghavan et al., "Structural correlates for enhanced stability in the E2 DNA-binding domain from bovine papillomavirus," <i>Biochemistry</i> , 38(49):16115-24 (1999).
	Vogler et al., "Rapid Communications," <i>Journal of Natural Products</i> , 61:175-178 (1998).
	Wang et al., "Solution Studies of Staphylococcal Nuclease H124L. 2. <sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N Chemical Shift Assignments for the Unligated Enzyme and Analysis of Chemical Shift Changes that Accompany Formation of the Nuclease-Thymidine 3', 5'-Bisphosphate-Calcium Ternary Complex <sup>†,‡</sup> ," <i>Biochemistry</i> , 31:921-936 (1992).
	Wang et al., "Toward Designing Drug-Like Libraries: A Novel Computational Approach for Prediction of Drug Feasibility of Compounds," <i>J. Comb. Chem.</i> , 1:524-533 (1999).
	Warr, "Combinatorial Chemistry and Molecular Diversity. An Overview," <i>J. Chem. Inf. Comput. Sci.</i> , 37, 134-140 (1997)
	Watanabe et al., "Direct-Coupling of FT-NMR to High Performance Liquid Chromatography," <i>Proc. Japan Acad. Ser B</i> , 54:194-199 (1978).
	Watt et al., "Comparison of the crystal structures of a flavodoxin in its three oxidation states at cryogenic temperatures," <i>J. Mol. Biol.</i> , 218:195-208 (1991).
	Wider et al., "Proton-proton Overhauser effects of receptor-bound cyclosporin A observed with the use of a heteronuclear-resolved half-filter experiment," EPO abstract, XP 002029543, from <i>Journal of the American Chemical Society</i> , 113(12):4676-4678, 2 pages (1991).
MB	Wider et al., "Proton-Proton Overhauser Effects of Receptor-Bound Cyclosporin A Observed with the Use of a Heteronuclear-Resolved Half-Filter Experiment," <i>Journal of the American Chemical Society</i> , 113(12):4676-4678 (1991).

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MB	Wider, "Structure Determination of Biological Macromolecules in Solution Using Nuclear Magnetic Resonance Spectroscopy," <i>BioTechniques</i> , 29(6):1278-1294 (2000).
	Wishart et al., "The $^{13}\text{C}$ Chemical-Shift Index: A simple method for the identification of protein secondary structure using $^{13}\text{C}$ chemical-shift data," <i>Journal of Biomolecular NMR</i> , 4(2):171-180 (1994).
	Wishart et al., "Protein chemical shift analysis: a practical guide," <i>Biochemistry and Cell Biology</i> , 76(2/3):153-163 (1998).
	Wolfender et al., "LC/NMR in Natural Products Chemistry," <i>Current Organic Chemistry</i> , 2:575-596 (1998).
MB	Wu et al., "An improved diffusion-ordered spectroscopy experiment incorporating bipolar-gradient pulses," <i>J Magn. Reson. Ser. A</i> , 115:260-264 (1995).

<b>EXAMINER</b> 	<b>Date Considered</b> 5/16/03
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**INFORMATION  
DISCLOSURE  
STATEMENT**

Atty. Docket No.: 6283.NCP2

Serial No.: 10/044,219

Applicant(s): Stockman et al.

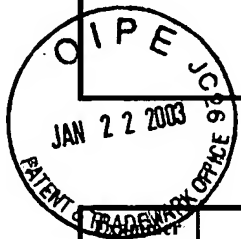
Confirmation No.: 9179

Application Filing Date: Nov. 19, 2001

Group: 1639

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**U.S. PATENT DOCUMENTS**

Initial	Document Number	Date	Name	Class	Subclass	Appropriate
	NONE					

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	NONE						

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Document Description
MB	Dalvit et al., "Sensitivity-improved detection of protein hydration and its extension to the assignment of fast-exchanging resonances," <i>J. Magn. Reson. B.</i> , 109:334-338 (1995).
	Dalvit, "Homonuclear 1D and 2D NMR Experiments for the Observation of Solvent-Solute Interactions," <i>J Magn Reson B.</i> 1996 Sep;112(3):282-288. (No abstract available.)
	Dalvit et al., "Half-filter experiments for assignment, structure determination and hydration analysis of unlabelled ligands bound to <sup>13</sup> C/ <sup>15</sup> N labelled proteins," <i>J. Biomol. NMR</i> , 13:43-50 (1999).
	Hajduk et al., "Integration of NMR and high-throughput screening," <i>Comb Chem High Throughput Screen</i> , Dec;5(8):613-621 (2002).
	Hwang et al., "Water suppression that works. Excitation sculpting using arbitrary waveforms and pulsed field gradients," <i>J. Magn. Reson. A</i> 112:275-279 (1995).
	Kallen et al., "Structural basis for LFA-1 inhibition upon lovastatin binding to the CD11a I-domain," <i>J. Mol. Biol.</i> , 292:1-9 (1999).
MB	Melacini et al., "Band-selective editing of exchange-relay in protein-water NOE experiments," <i>J. Biomol. NMR</i> , 13:67-71 (1999a).

**EXAMINER****Date Considered**

MB

5/16/03

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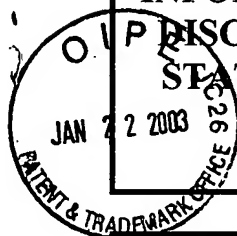
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JAN 24 2003  
TECH CENTER 1600/2900

Examiner Initial	Document Description
<u>MB</u>	Melacini et al., "Water-macromolecule interactions by NMR: a quadrature-free constant-time approach and its application to C12," <i>J. Biomol. NMR</i> , 15:189-201 (1999b).
	Otting et al., "Studies of protein hydration in aqueous solution by direct NMR observation of individual protein-bound water molecules," <i>J. Am. Chem. Soc.</i> , 111:1871-1875 (1989)
	Otting et al., "Protein hydration in aqueous solution by direct NMR observation of individual protein-bound water molecules," <i>Science</i> , 254(5034): 974-980 (1991).
	Otting, "NMR studies of water bound biological molecules," <i>Progr. NMR Spectrosc.</i> , 31:259-285 (1997).
	Price, "Water signal suppression in NMR spectroscopy," <i>Annual Reports on NMR Spectroscopy</i> (Ed., Webb, A.), Academic Press, New York, vol. 38, pp. 289-354 (1999).
<u>MB</u>	Sobol et al., "Solvent magnetization artifacts in high-field NMR studies of macromolecular hydration," <i>J Magn Reson.</i> 1998 Feb;130(2):262-271.

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